

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Canceled).

2. (Currently Amended) The screw compressor according to claim 3, wherein the concave stripes are provided on whole surfaces of the respective screw grooves to extend in parallel to directions of twist of the respective screw grooves.

3. (Currently Amended) The screw compressor according to claim 1 comprising a casing, a male and a female rotor formed with axially twisted screw grooves and accommodated in the casing, the both rotors being rotated by timing gears fixed to the respective rotors while a desired minute gap is kept therebetween, and the respective rotors comprising concave stripes having a minute depth and provided on the respective screw grooves to extend along directions of twist thereof, wherein respective widths of the concave stripes and pitch spaces between adjacent concave stripes are smaller in those regions[[.]] in which curved surfaces of the both rotors comprise a combination of a convex surface and a convex surface[[.]] than in those regions[[.]] in which curved surfaces of the both rotors comprise a combination of a convex surface and a concave surface.

4. (Currently Amended) The screw compressor according to claim 1 comprising a casing, a male and a female rotor formed with axially twisted screw grooves and accommodated in the casing, the both rotors being rotated by timing gears fixed to the respective rotors while a desired minute gap is kept therebetween, and the respective rotors comprising concave stripes having a minute depth and provided on

the respective screw grooves to extend along directions of twist thereof, wherein the concave stripes at bottoms of the screw grooves on the male rotor are smaller in respective widths thereof and pitch spaces between adjacent ones than those on other portions than the bottoms.

5. (Currently Amended) ~~The screw compressor according to claim 4~~ comprising a casing, a male and a female rotor formed with axially twisted screw grooves and accommodated in the casing, the both rotors being rotated by timing gears fixed to the respective rotors while a desired minute gap is kept therebetween, and the respective rotors comprising concave stripes having a minute depth and provided on the respective screw grooves to extend along directions of twist thereof, wherein means for increasing fluid resistance against an air is provided on the concave stripes in those regions[[.]] in which a movement path of a minimum portion of a minute gap formed between the both rotors at the time of rotation of the both rotors intersects the concave stripes.

6. (Currently Amended) ~~The screw compressor according to claim 4~~ comprising a casing, a male and a female rotor formed with axially twisted screw grooves and accommodated in the casing, the both rotors being rotated by timing gears fixed to the respective rotors while a desired minute gap is kept therebetween, and the respective rotors comprising concave stripes having a minute depth and provided on the respective screw grooves to extend along directions of twist thereof, wherein surfaces of the concave stripes are roughened in those regions[[.]] in which a movement path of a minimum portion of a minute gap formed between the both rotors at the time of rotation of the both rotors intersects the concave stripes.

7. (Canceled).
8. (Canceled).
9. (Canceled).
10. (Canceled).

11. (New) The screw compressor according to claim 4, wherein the concave stripes are provided on whole surfaces of the respective screw grooves to extend in parallel to directions of twist of the respective screw grooves.

12. (New) The screw compressor according to claim 5, wherein the concave stripes are provided on whole surfaces of the respective screw grooves to extend in parallel to directions of twist of the respective screw grooves.

13. (New) The screw compressor according to claim 6, wherein the concave stripes are provided on whole surfaces of the respective screw grooves to extend in parallel to directions of twist of the respective screw grooves.